

## ABSTRACT

A pneumatic actuator includes a cylinder, an output shaft disposed rotatably in the cylinder, a pinion disposed in the output shaft, a piston rod furnished with rack teeth to be meshed with the pinion, and pistons disposed one each at opposite ends of the piston rod, wherein the pneumatic actuator further includes a pressure-inspecting chamber enclosed with the cylinder and the piston and a pressure-detecting hole establishing communication between the pressure inspecting chamber and the exterior.